

What is claimed is:

1. A silver alloy for use in a reflection film, comprising silver as a main component, and at least one metal element as a first additive element having lower melting point than that of silver.

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2. A silver alloy for use in a reflection film according to claim 1, wherein said first additive element essentially consisting at least any of aluminum, indium, and tin.

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3. A silver alloy for use in a reflection film according to claim 1, wherein said first additive element comprising at least any of bismuth, gallium, zinc, strontium, calcium, or germanium.

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4. A silver alloy for use in a reflection film according to claim 3, wherein said first additive element is gallium.

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5. A silver alloy for use in a reflection film according to any of claims 1 to 4, wherein, as a second additive element, at least one of elements comprising platinum, gold, rhodium, iridium, ruthenium, palladium, lead, copper, manganese, silicon, nickel, chrome, cobalt, yttrium, iron, scandium, zirconium, titanium, niobium, molybdenum, tantalum, tungsten, hafnium, lanthanum, cerium, praseodymium, neodymium, samarium, europium, gadolinium, terbium, dysprosium, holmium, thulium, ytterbium, magnesium, and boron is further added.

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6. A silver alloy for use in a reflection film according to claim 5, wherein said second additive element is at least any of platinum, palladium, thulium, or dysprosium.

7. A silver alloy for use in a reflection film according to any of claims 1 to 6, wherein total concentration of the additive elements is 0.01-5.0 atomic %.

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8. A silver alloy for use in a reflection film according to claim 7, wherein total concentration of the additive elements is 0.01-1.5 atomic %.

9. A sputtering target comprising the silver alloy, which silver alloy
10 being defined in any of claims 1 to 8.